

# HSS 150 M / HSS 552 M

Screw-in High-Current Test Probe

**Grid:**

≥ 5,08 mm

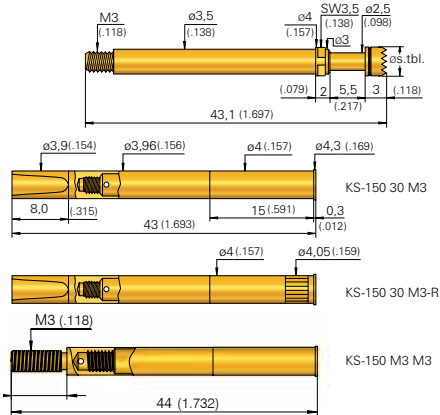
≥ 200 Mil

**Installation Height:** 10,8/13,8 mm (.425/.543)/7,5 mm (.295)

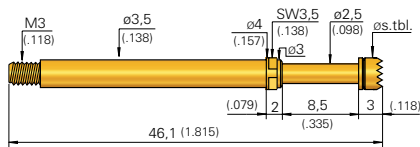
**Recommended Stroke:** 4,4/7,4 mm (.173/.291)/2,0 mm (.079)

## Mounting and Functional Dimensions

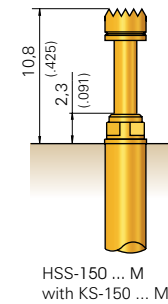
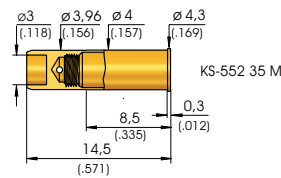
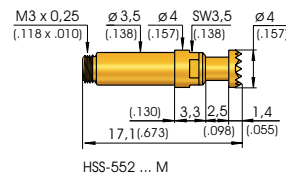
### HSS-150 ... M



### HSS-150 ... MH



### HSS-552 ... M



### Collar Height and Installation Height

The Installation Height of the Tip (Dimensions with Receptacle) is determined by the Collar Height.

Collar Height/Tip	Installation Height (with Receptacle) in mm
02 M	10,8 (.425) HSS 150...M
02 MH	13,8 (.543) HSS 150...M (MH)
03 M	7,5 (.295) HSS 552...M

Mechanical Data	HSS 150... M (MH)
<b>Working Stroke:</b>	4,4 mm (.173) Typ „MH“: 7,4 mm (.291)
<b>Maximum Stroke:</b>	5,5 mm (.217) Typ „MH“: 8,5 mm (.335)
<b>Spring Force at Work. Stroke:</b>	3,0 N (10.8oz) alternative: 5,0 N (18.1oz)

Mechanical Data	HSS 552... M
<b>Working Stroke:</b>	2,0 mm (.079)
<b>Maximum Stroke:</b>	2,5 mm (.098)
<b>Spring Force at Work. Stroke:</b>	2,0 N (7.2oz)

Operating Temperature	Standard:
	-100° up to +200° C

**\* Tip Style 05 S:**  
The pressed-in silver stud prevents burning or welding of the Test Probe to the test point.

### Materials

<b>Plunger:</b>	BeCu, gold-plated or with Silver stud Brass, gold-plated
<b>Spring:</b>	Stainless Steel
<b>Receptacle:</b>	Brass, gold-plated

### Mounting Hole Size

<b>for KS-150 30 M3 + KS-150 M3 M3 + HSS-552 35 M</b>	
<b>in CEM 1 and FR 4:</b>	ø 3,99 mm (.1571)
<b>for KS-150 30 M3-R:</b>	ø 4,0 - 4,02 mm (.1575 - .1583)

### Electrical Data

<b>Current Rating:</b>	50 A
	for short loads up to 80 A
<b>R<sub>i</sub> typical:</b>	≤ 10 mΩ

### Available Tip Styles HSS-150 M

Material	Tip Style	Plating	Further Versions	
			ø	ø (inch)
3	02	A	ø 4,00 (.157)	
3	03	A	ø 4,00 (.157)	
3	05*	S	ø 4,00 (.157)	
3	06	A	ø 4,00 (.157)	3,00 (.118)
3	17	A	ø 3,00 (.118)	
3	19	A	ø 4,00 (.157)	

\* pressed-in Silver studd

### Available Tip Styles Special Version HSS-150... MH

Material	Tip Style	Plating	Further Versions	
			ø	ø (inch)
3	02	A	ø 4,00 (.157)	
3	05*	S	ø 4,00 (.157)	
3	06	A	ø 4,00 (.157)	
3	17	A	ø 4,00 (.157)	

Total Length 46,1 mm (1.815), Special Designation „MH“  
\* pressed-in Silver studd

### Available Tip Styles HSS-552 M

Material	Tip Style	Plating	Further Versions	
			ø	ø (inch)
3	06	A	ø 4,00 (.157)	

**Note:**  
HSS-150 ... M and HSS 552 M will be screwed into KS-150 ... M3 and KS-552 ... M using special tools (see Page 170/171).

**Recommended Screw-in Torque:**  
Min.: 10 Ncm / Max.: 20 Ncm

## Ordering Example

Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force (dN)	Collar Height (mm)	Type (alternative MH)
	3 = BeCu			A = Gold S = Silver			

Test Probe:

H S S 1 5 0 3 0 3 4 0 0 A 3 0 0 2 M

Test Probe:

H S S 1 5 0 3 0 6 4 0 0 A 3 0 0 2 M H

Test Probe:

H S S 5 5 2 3 0 6 4 0 0 A 2 0 0 3 M

Receptacle for HSS-150 ... M:

K S - 1 5 0 3 0 M 3    K S - 1 5 0 3 0 M 3 - R    K S - 1 5 0 M 3 M 3

Receptacle for HSS-552 ... M:

K S - 5 5 2 3 5 M